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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/898,452	07/05/2001	Tai-Cheng Chen	SUND 209	8127
23995	7590	12/21/2004	EXAMINER	
RABIN & Berdo, PC 1101 14TH STREET, NW SUITE 500 WASHINGTON, DC 20005			TRAN, THIEN D	
			ART UNIT	PAPER NUMBER
			2665	

DATE MAILED: 12/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

Office Action Summary	Application No.	Applicant(s)	
	09/898,452	CHEN ET AL.	
	Examiner	Art Unit	
	Thien D Tran	2665	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 July 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-14 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Ex parte Quayle

1. This application is in condition for allowance except for the following formal matters:

As claim 11, the steps (m), (m1), (m2), (m3) should be changed to become step (l), (l1), (l2), (l3).

As claim 12, the steps (m2), (m5), (m6) should be changed to become (l1), (l4), (l5).

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the prior art fails to disclose a method for solving a mismatched negotiation result between an auto-negotiation mode and an enforce mode in a Ethernet, the method being applied to a local device with an auto-negotiation mode, the local device being connected to a remote device, the local device having a plurality of registers comprising at least an auto-negotiation advertisement register (ANAR) for recording information advertised to the remote device by the local device, and an auto-

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negotiation link partner ability register (ANLPAR) for recording an ability of the remote device, the method comprising steps of:

(e) determining whether the contents of the ANAR and the ANLPAR registers are matched, wherein if the contents of the ANAR and the ANLPAR registers are matched then proceed to a step (f), and otherwise proceed to a step (g);

(f) setting the local and the remote devices to be normally connected and terminating the method; and

(g) disconnecting the local and the remote devices within the structure of the claim.

Regarding claim 9, the prior art fails to disclose a method for solving a mismatched negotiation result between an auto-negotiation mode and an enforce mode in a Ethernet, the method being applied to a local device with an auto-negotiation mode, the local device being set to one of a 100 Mbps full duplex mode (100FDX), a 100 Mbps half duplex mode (100HDX), a 10 Mbps full duplex mode (10FDX) and a 10 Mbps half duplex mode (10HDX), the local device being connected to a remote device, the local device having a plurality of registers comprising at least an auto-negotiation advertisement register (ANAR) for recording information advertised to the remote device by the local device, and an auto-negotiation link partner ability register (ANLPAR) for recording an ability of the remote device, the method comprising steps of:

(g) turning off the 10FDX and the 10HDX modes according to the ANAR register;
(h) determining whether the user enforces the transmission mode to the FDX mode, if

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the transmission mode is the FDX mode then proceed to the step (j), otherwise proceed to a step (i);

(i) turning off the 100FDX mode;

(j) restarting the auto-negotiation mode;

(k) determining whether the contents of the ANAR and the ANLPAR registers are matched; and

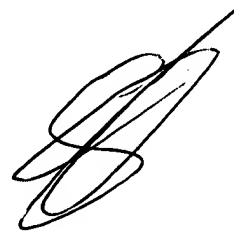
(l) disconnecting the local and the remote devices if the contents of the ANAR and the ANLPAR registers are not matched within the structure of the claim.

Conclusion

3. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Thien Tran whose telephone number is (571) 272-3156. The examiner can normally be reached on Monday-Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu, can be reached on (571) 272-3155. Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

Thien Tran

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.

**STEVEN NGUYEN
PRIMARY EXAMINER**